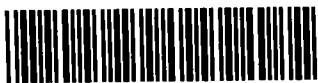




Environmental Protection Agency

2200 Churchill Road, Springfield, Illinois 62706

US EPA RECORDS CENTER REGION 5



518986

931033

Waste
Check if
Applicable

☒ Storage
☒ Transfer
☒ Processing
☒ Recovery
☐ Incineration
☐ Other

APPLICATION FOR PERMIT TO DEVELOP A SOLID WASTE MANAGEMENT SITE

In Accordance With The Environmental Protection Act

All information submitted as part of the Application is available to the public except when specifically designated by the Applicant to be treated confidentially as regarding a trade secret or secret process in accordance with Section 7(a) of the Environmental Protection Act.

APPLICATION MUST BE SUBMITTED IN DUPLICATE

PART I - APPLICANT INFORMATION

A. Site Identification

1. Name of Applicant QuVoe Chemical Industries, Incorporated
(Person responsible for operation)

2. Address of Applicant 4256 Wesley Terrace
(Street, P.O. Box, or R. R. #)

Schiller Park Illinois 60176
City State Zip Code

Telephone: (312) 678-8262
(Area Code) (Number)

3. Name of Land Owner National Boulevard Bank of Chicago T/D 4680
(If same as above, so indicate)

4. Address of Land Owner 400 North Michigan Boulevard
(Street, P.O. Box, or R. R. #)

Chicago Illinois 60611
City State Zip Code

STPR 5/15/79
LPC-7 Rev. 5/79

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NOV 19 1980

E.P.A. - ILLINOIS
STATE OF ILLINOIS

5. Name of Site Refinery Products Company Division

6. Address of Site 4256 Wesley Terrace
(Street, P.O. Box, or R. R. #)

Schiller Park Illinois 60176
City State Zip Code

Cook Leyden Township
County

7. Land ownership (Check Applicable Boxes)

() Presently Owned by Applicant (XX) To be Leased by Applicant For 15 Years

() To Be Purchased by Applicant (XX) 14 Years of Lease Remaining:

Termination date of lease _____

Operated by: Ill. Corporation (XX) Partnership () Government ()
Individual () Other ()

B. SITE BACKGROUND (Check Applicable Box or Boxes)

8. (XX) This is an existing operation begun _____ (mo.) 1935 (yr.)

() this is a proposed operation.

() This is a proposed extension of an existing adjacent operation:

Illinois E.P.A. Permit No. _____:

() No Illinois E.P.A. Permit.

PART II - LOCATION INFORMATION

A. ZONING AND LOCAL REQUIREMENTS

9. Present zoning classification of site Light Industrial

10. Does present zoning of site allow the proposed usage?

(XX) Yes () No.

11. Restrictions (if any) None

12. Check applicable boxes which describe the use of adjacent properties surrounding site.

	Residential	Commercial	Industrial	Agricultural	Others*
a. North	(XX)	()	()	()	()
b. East	(XX)	()	()	()	()
c. South	()	()	()	()	(XX)
d. West	()	()	()	()	(XX)

*SPECIFY USE CLASSIFICATION Soo-Line Railroad Yards

13. a. Are there any permits, operational requirements, licenses, or other requirements or restrictions by any municipality, planning commission, county, county health department, state agency, or other governing body?

(XX) Yes () No If yes, List below. _____

Village of Schiller Park

- b. Have these requirements, licenses or restrictions been approved by the agency or governing body having jurisdiction?

(XX) Yes () No

- c. If the answer to (b) is yes, include photocopies of supporting documents. (See Attached)

B. LOCATION

14. Attach a copy of the United States Geologic Survey (U.S.G.S.) topographic quadrangle map of the area which contains the site. (7.5 minute quadrangle, if published).

Quadrangle Map Provided: River Forest, IL. 1963/Rev. 1972
Name Date

15. a. Outline on the U.S.G.S. topographic quadrangle map the location and extent of the site.
- b. Provide a legal description of the site. (Typewritten on attached sheet.) (See Attached)

1.5 Acres in Quarter, Quarter, N.W. Quarter,
of Section 15, Township 40 North,
Range 12, East 3rd P.M.

And Southeast 1/2 Section 16, Township 40 North, Range 12,
East of the third P.M. located in Cook County, Illinois.

16. General characteristic: (Flood Plain, Hillside, Field, Strip Mine, Quarry, Gully, Gravel Pit, Swamp, etc.)

Briefly describe: Fully developed urban industrial area, adjacent to a railroad yard and residential area.

17. Plot the following information on the U.S.G.S. quadrangle topographic map, if within the site or adjacent to the outer perimeter of facility:

- a. Wells (domestic, industrial, etc.) Municipal Water System
- b. Public water sources (wells, stream, etc.) Municipal Water System
- c. Residences or residential areas, commercial facilities, sewage treatment facilities, industries, institutions, etc.
- d. Other treatment facilities not shown on topographic map such as diverted steams, strip mines, ponds, etc.

If scale of quadrangle map is not sufficient, show the above items on a separate topographic map (See Part IV - A - 23).

PART III - SITE CHARACTERISTICS

To Be Completed If Land Disposal Of Waste On Site Is Requested

A. GEOLOGY - HYDROLOGY - N/A

NOTE: The instructions for this Part of the Application should be read carefully prior to initiating the data-gathering program for the site.

Provide subsurface information in comprehensive detail, sufficient to allow thorough evaluation of the hydrologic and geologic conditions beneath and surrounding the site. This data must fully describe the hydrogeologic interrelationships of the landfill facility, local ground waters, and surface waters. All information requested in sections 18 through 22 should be integrated and presented as a detailed hydrogeologic report.

B. GEOLOGY - N/A

GENERAL GEOLOGIC SETTING

18. Provide a brief description of the general geography of the region in which the site is located, and a summary of the hydrogeologic conditions typical of that portion of Illinois.

TYPE AND EXTENT OF SUBSURFACE MATERIALS - N/A

19. Provide a complete log (description) of each boring made during the exploratory program, and include all other pertinent data so obtained.
20. Include the following information regarding the bedrock, if encountered during the boring program:
 - a. Depth(s) to bedrock.
 - b. Lithology (physical character) and hydrologic characteristics of the bedrock formation.
 - c. Name and age of the formations encountered during the boring operation and (or) which crop out on or adjacent to the site.

C. MATERIALS CLASSIFICATION AND ANALYSIS - N/A

21. Provide the following information for samples taken during the boring operation:
 - a. textural classification (U.S.D.A. system)
 - b. particle size distribution curves for representative samples
 - c. coefficient of permeability - based on field and (or) laboratory determinations
 - d. ion-exchange capacity and ability to absorb and "fix" heavy metal ions

D. HYDROLOGY - N/A

22. Provide the following information regarding the hydrologic flow system in the area of the site:
 - a. Depth to water in boreholes at time of boring completion and periodic measurements until the water level has stabilized.
 - b. Rate(s) and direction(s) of ground-water movement.
 - c. A narrative description (with diagrams) of the design and installation procedures for all piezometers installed at the site. This shall include both water-level measuring piezometers and those installed for permanent use as water-quality monitoring points.
 - d. An analysis of the background ground-water quality, as per those constituents listed in the Instructions. Attach a copy of the laboratory report.
 - e. An outline of the procedures, devices, and personnel to be employed for the collection of periodic ground-water samples from the monitoring point(s) installed at the site.

PART IV - CONSTRUCTION PLANS
AND SPECIFICATIONS

A. SITE DEVELOPMENT PLAN - #23,#24 (See Attached Comments), #25, #26 N/A

23. Provide a detailed topographic map of the existing site (Scale 1" = 200' or larger) showing 5-foot contour intervals on sites (or portions thereof) where the relief exceeds 20 feet, and 2-foot contour intervals on sites (or portions thereof) having less than 20 feet of relief. This map should show all buildings, ponds, streams, wooded areas, bedrock outcrops, underground and overhead utilities, roads, fences, culverts, drainage ditches, drain tiles, easements, streets, any other item of significance, including legal boundaries.

Show the location and elevation of borings as described in Part III - 19, 20. (See Attached Comments)

24. Provide a separate map, at the same scale as that above, of the developed site showing the following: (See Attached Comments)
- a. All changes in topography dictated by design and operational factors.
 - b. All surface features (as specified in IV - A - 23) both unaltered and modified, and installed as part of the facility. This shall include all new construction with location plans for berms, dikes, dams, earth barriers, surface drainage ditches, drainage devices, (culverts, tiles), fencing, access roads, entrance(s), utilities, buildings, sanitary facilities, monitoring well(s), streams, ponds, mines, and any other special construction as may be required to comply with the provisions of the Rules and Regulations.
 - c. Earth barriers, berms, dikes and other barriers, including essential dimensions of each.
25. Provide a topographic map of the closed and covered site showing final contours, with an interval of 5 feet if relief is greater than 20 feet, and intervals of 2 feet if relief is less than 20 feet. N/A
26. Provide plan views (Scale 1" = 200') and cross sections of the leachate collection and treatment system, if utilized, including the following information: N/A
- a. Type, location and construction of subsurface collection system, and all attendant devices.
 - b. Location, dimensions, volume, and surface elevation of treatment lagoon(s), if used.
 - c. Detailed written narrative of the method and processes of the treatment system, and program for monitoring the performance and effectiveness of the treatment system.
 - d. Discharge point(s) of effluent.

B. SCHEDULE OF CONSTRUCTION - See Attached

27. Attach a typewritten narrative supplemented by indications on the plans of the sequence of areas to be developed. Estimate the date of beginning and ending of each phase of construction and operation.

C. CONSTRUCTION REQUIREMENTS - See Attached

28. Attach a typewritten narrative supplemented by indications on the plans of provisions to be made for:
- Prevention of surface-water pollution.
 - Control of gas migration.
 - Elimination of flood hazard, if any.
 - Employee facilities.
 - Measuring quantity of waste delivered to the site.

PART V - OPERATING PLAN

A. SOURCE AND VOLUME

29. Indicate the estimated quantity of each of the following sources and types of waste the facility will handle during each day of operations; each week of operation; each year of operation. Specify any additional information regarding refuse source and quantity.

<u>SOURCE</u>	<u>TYPE</u>	<u>DAILY QUAN.</u>	<u>WEEKLY QUAN.</u>	<u>ANNUAL QUAN.</u>
a. Residential	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
b. Commercial	<u>Waste Oil</u>	<u>10,000 Gal.</u>	<u>50,000 Gal.</u>	<u>2,500,000 Gal.</u>
c. Industrial	<u>Waste Oil</u>	<u>25,000 Gal.</u>	<u>125,000 Gal.</u>	<u>6,500,000 Gal.</u>
d. Agricultural	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
e. Other (Describe)	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

B. OPERATING REQUIREMENTS - See Attached

30. Attach a typewritten description of provisions for:
- Personnel for supervision and operation
 - Traffic control

9 million
46,000 gpd. max

- c. Designation of unloading area
- d. Dust control
- e. Odor control
- f. Management of surface water
- g. Erosion control
- h. Monitoring program for gas
- i. Reuse and recycling operations

31. Provide a list of equipment to be used for the operation:

ITEMS	MODEL NUMBER	NO. OF UNITS IN OPERATION	DESCRIPTION
1	Delaval MPX313	1	Centrifuge
2	Eppenbach Homomixer	1	In Line Mixer
3	Ingersol Rand 7½ HP	1	Compressor
4	Sparkler	1	Filter
5	Fulton FB030-A	1	Boiler, Tubeless
6	Lookout NH-50	1	Scepotlh Marine Boiler

Assorted pumps, valves & mixing tanks to facilitate processing and separating of oils.

PART VI - NOTICE / LAND USE

32. In order that notice of intent be sent to those affected by this application, you shall provide these names and addresses to the Agency: (Each person listed below is addressed separately on attached sheets)
- a) State's Attorney of the county in which the site is located.
 - b) Chairman of the County Board of the county in which the site is located.
 - c) Each member of the General Assembly from the Legislative district in which the site is located. (Three Representatives, One Senator)

- d) The clerk of each municipality, any portion of which is within three miles of the site.
- e) Adjacent landowners to the proposed site.
- f) Local zoning and planning agencies.

33. Provide the following documentary evidence sufficient to show: (See Attached)

- a) That the facility is located so as to minimize scenic blight, and to avoid damage to archaeological and/or historic sites and areas of significant natural beauty;
- b) That the facility is located so as to avoid any hazards to public health and safety and to minimize any offenses to the senses of persons residing, working, traveling, and/or in any way spending periods of time in the immediate vicinity. Immediate vicinity is here defined to mean a one-mile radius zone adjacent to the boundary of the site;
- c) Taking into consideration the character of the area involved, including the character of surrounding land uses and the trend of development, as well as local comprehensive plans and zoning ordinances, that the facility is located so as to minimize incompatibility with the character of the surrounding area.
- d) That the facility is located so as to avoid causing substantial depreciation of nearby property (taking into consideration, where possible, any mitigation caused by the short proposed life of the site and end use);
- e) That any detriments caused by removal of the site from its former use are out-weighed by the need in the area for such a facility at this location;
- f) That the facility is located so as to avoid a continued adverse effect on existing air and water quality; and
- g) Taking into consideration geological and hydrological factors, the location of the site in relating to sources of solid waste and accessibility to transportation modes, and the technical feasibility and economic reasonableness of disposing of solid waste at the proposed location, that the facility is suited for its intended use.
- h) That access roads and bridges are not limited to preclude necessary vehicular traffic (i.e. proposed size and weight limits).

I hereby affirm that all information contained in this Application is true and accurate to the best of my knowledge and belief.

Signature of Applicant: John E. Swarth 11/18/80

Attest: NON-RESPONSIVE 11/18/80
Date

Signature of Engineer: [Signature] 11/18/80

Illinois Reg. No: 12-29952

Attest: NON-RESPONSIVE 11/18/80
Date

Signature of Landowner(s): John E. Swarth 11/18/80

Attest: NON-RESPONSIVE 11/18/80
Date

Engineer (Seal)

Signature of other person, technical and non-technical, who has supplied data contained in the submittal.

Signature Date

Reg. No., Position, Title, Etc.

Engineer (Seal)

Signature Date

Reg. No., Position, Title, Etc.

(Seal)

SAS:bls/7055A/sp



PART IV - CONSTRUCTION PLANS AND SPECIFICATIONS

A. SITE DEVELOPMENT PLAN

23. There are no available large scale topo maps of the area, and since the total grade change across the site is less than 5 ft. a topo map is not provided. The area is totally developed and served with municipal water, sewer and storm drainage.
24. Since no new construction will be done, a map showing proposed changes does not apply.

B. SCHEDULE OF CONSTRUCTION

27. The site is existing and has been in operation since 1935. All work being done is related to replacement and maintenance of the facility.

C. CONSTRUCTION REQUIREMENTS

28. N/A

PART V - OPERATING PLAN

B. OPERATING REQUIREMENTS

30. All personnel involved in the operation are qualified technicians or chemists for the operation of the equipment in the recovery processes and all necessary safety measures are followed for the operation of each piece of equipment. Traffic control at the site is maintained by restricting the access to the site via Cul-lom Street. All unloading and loading is done at the dock facility at the site. All operations are carried out inside the facility to control all odor and the site is graded and surfaced with crushed stone to control dust and erosion and to control surface water.

PART VI - NOTICE/LAND USE

32. a) State's Attorney --

Benard Carey, Cook County State's Attorney
County Building
Chicago, Illinois 60602



ESPEY, HUSTON & ASSOCIATES, INC.

Schiller Park Site - P. 2
QuVoe Chemical Industries

b) Chairman of the Cook County Board --

George Dunne
Room 537, County Building
Chicago, Illinois 60602

c) General Assembly (one Senator, three Representatives) --

Senator Richard A. Walsh

NON-RESPONSIVE

Representative Edward E. Bluthardt

NON-RESPONSIVE

Representative Jack B. Williams

NON-RESPONSIVE

Representative Ted E. Leverenz

NON-RESPONSIVE

d) Clerk of each Municipality within three miles --

Village of Schiller Park
Mr. Walter Bykowski, Village Clerk
9526 Irving Park Road
Schiller Park, Illinois 60176

City of Chicago
Mr. Walter Kozubowski, City Clerk
City Hall/121 North LaSalle, Room 107
Chicago, Illinois 60602

Village of Elmwood Park
Ms. Mary Fickenscher, Village Clerk
11 Conti Parkway
Elmwood Park, Illinois 60635

Village of Franklin Park
Mr. John A. Gregg, Sr., Village Clerk
9545 West Belmont Avenue
Franklin Park, Illinois 60131

City of Park Ridge
Ms. Kathleen M. Breidert, City Clerk
505 Park Place
Park Ridge, Illinois 60068.



ESPEY, HUSTON & ASSOCIATES, INC.

Schiller Park Site - P. 3
QuVoe Chemical Industries

Village of River Grove
Mr. James R. Domsenke, Village Clerk

NON-RESPONSIVE

e) Adjacent landowners of the site --

Not Available

f) Local zoning and planning agencies --

Northeastern Illinois Planning Commission
400 West Madison Avenue
Chicago, Illinois 60606

Cook County Zoning Board
County Building
Chicago, Illinois 60602

33. a) The existing facility is located within the Schiller Park, Illinois city limits on the corner of Wesley Terrace and Cullom Street. The 1.5 acre facility site is triangular with the Soo Line Railroad bounding the third side. This location has limited public access as Wesley and Cullom both dead-end at the site because of the railroad right-of-way. As a result of this inaccessibility, scenic blight is minimized. The facility is zoned "light industrial", and also acts as a buffer between residential and industrial areas.

As this is an existing facility located in a developed area, damage to archaeological and/or historic sites and areas of significant natural beauty is not applicable for the operation of this facility.

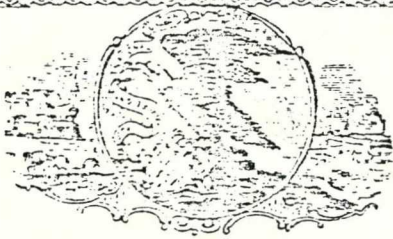
- b) All processing operations are within the plant, limiting any hazards to public health and safety and to minimize any offenses to the senses of persons residing, working, traveling, and/or in any way spending periods of time in the immediate vicinity.

Protective measures have been employed to avoid potential hazards to public health and safety. These measures include: a specific traffic route on Cullom Street for all trucks entering the facility; a five-foot concrete dike around oil storage tanks; controlled surface drainage and collection basins to prevent oil runoff; QuVoe is presently installing a model 6-V oil skimmer within the dike area to minimize any oil contamination; intermittent spraying of the area with a



hydrocarbon degrading bacteria to prevent oil contamination; movement of large shipments of materials during low traffic flow periods; and, the Schiller Park Fire Department is within 0.1 mile of the facility.

- c) The area of the existing facility is a well established area of heavy and light industrial, commercial and residential (single and multi-family dwellings) land uses. As this area has evolved over the past years with a mixed land use character, the facility is compatible with zoning ordinances.
- d) The facility is a long-term reprocessing operation for used oils. The facility has been in operation for over 45 years, and, (with increased shortages of oil) is expected to continue the operation into the future. No substantial depreciation of nearby property has been observed in the past and is not expected in the future because of this operation.
- e) Site has been in its present use for over 45 years.
- f) The continued use of the site will have no further effect on the existing air and water quality, rather, its continued operation will decrease the need in the area for facilities to dispose of the oil wastes which are being re-cycled at the site.
- g) No disposal at the site.
- h) Access directly to the site is limited for safety and impact reasons to Cullom Street only. No load or size limitations on any access highways.

State of Illinois
LICENSE

No. 47

\$ 300.00

In Consideration of THREE HUNDRED AND NO/100 -----Dollars

By Authority of the

Village of Schiller Park

License is Hereby Granted to Div. of Refinery Products Co. - QU VOE
To Do Oil Renovating & Recycling CHEMICAL IND, INC.

For Term of One Year

Commencing May 1st 19 75

and Ending April 30th 19 76

in said Village, subject to the Ordinances of said Village in such case
made and provided.WITNESS the hand of the President of said Village
and the corporate seal thereof, this First day of May 19 75

Attest:

Walter P. Bykowski

RECEIVED

NOV 19 1980

E.P.A. - D.E.P.C.
STATE OF ILLINOIS

FOUND CHANNEL 112.0'

64.50'-E

+ FOUND CH'S X' 62.95'-E

+ FOUND CH'S X' 63.00'-E

SET
WALK
by GUARD
RAIL
PAVE
LINE 2

TERRACE

F. CH'S
IN WALK

STATION 0+W/0-S

CULLOM AVE

WESLEY F. CH'S
IN WALK
62.00'-S

0.03W

F. CH'S
IN WALK

0.00

" 0.00

" 0.03E

2.5'-W
210.8'-S

TERRACE

WESLEY 150.2

133.7-S

116.7-S

104.8-S

2.5'-W

89.1-S

5' CONC
WALK

70°

STATION
0+W/0-S

5' CONC.
WALK

CULLOM AVE.

81.5'

55°

30'-W

55.2'-W

61'-W

76.5'-W

55.2'-W

55.2'-W

55.2'-W

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55.2'-W

55.2'-W

1ST RAIL OF
TRACKS

0.1'x5.1'
CONC. WALL

12.5'

5' PUMP
STA.

18.7'

VERT.
10' TANKS

28.7'

2X TYPE A TANK

WOOD PLATFORM

4.5'x10' TANK

8' TANK

6' TANKS

5' TANKS

12' TANK

1-STORY
BRICK
BLDG.

5' CONC.
WALK

TYPE A
TANK = 320 gal

TYPE A TANK
5'x2.5'x17'
= 320 gal

RECEIVED

NOV 19 1980

L. J. P. C.
STATE OF ILLINOIS